

D6
9/17/90

State of Ohio Environmental Protection Agency

Southwest District Office
40 South Main Street
Dayton, Ohio 45402
(513) 449-6357 285-6357



Richard F. Celeste
Governor

312-663-0791

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: Courtney Schmidt, E&E
FROM: Amy Gibbons, DEPA, SWDO
TOTAL NUMBER OF PAGES INCLUDING THIS COVER: 4
DATE: September 17, 1990

IF YOU DO NOT RECEIVE ALL OF THE PAGES AND/OR ANY PROBLEMS ARISE DURING
TRANSMISSION, PLEASE CONTACT US AS SOON AS POSSIBLE AT (513) 285-6357.

APPROVED TO TELECOPY:
THOMAS A. WINSTON

MESSAGE: Courtney - Here's the info. we
talked about. If you have any
questions - CALL!

From Contamination Assessment
Mill Creek

August 1, 1990

by Army Corps of Engineers

3.4 SURFACE WATER

The results of the 1989 surface water chemical analyses (samples 55751 and 5752) are inconclusive, but visual observations indicate that the chemical nature of the Mill Creek is quite variable with time. Therefore, depending solely on laboratory analyses to evaluate the surface water quality in Section 8 is impractical, and it could be misleading. The surface waters often transport dead animal parts and human wastes downstream through Section 8. The chemical slicks noted during the sediment sampling and testing program created potentially hazardous breathing atmospheres in addition to polluting the waters.

Food and Drug Administration (FDA) Action Levels for PCB's and chlordane are 2.0 ppm and 0.3 ppm respectively. The PCB level was exceeded for channel catfish in 1987 and 1988 and white bass in 1987. The channel catfish were near the action level for chlordane both years they were sampled. It is probable that the source of the chlordane and PCB contamination found in the Mill Creek Section 8 sampling and analyses is the same as the source of those contaminants found in the fish.

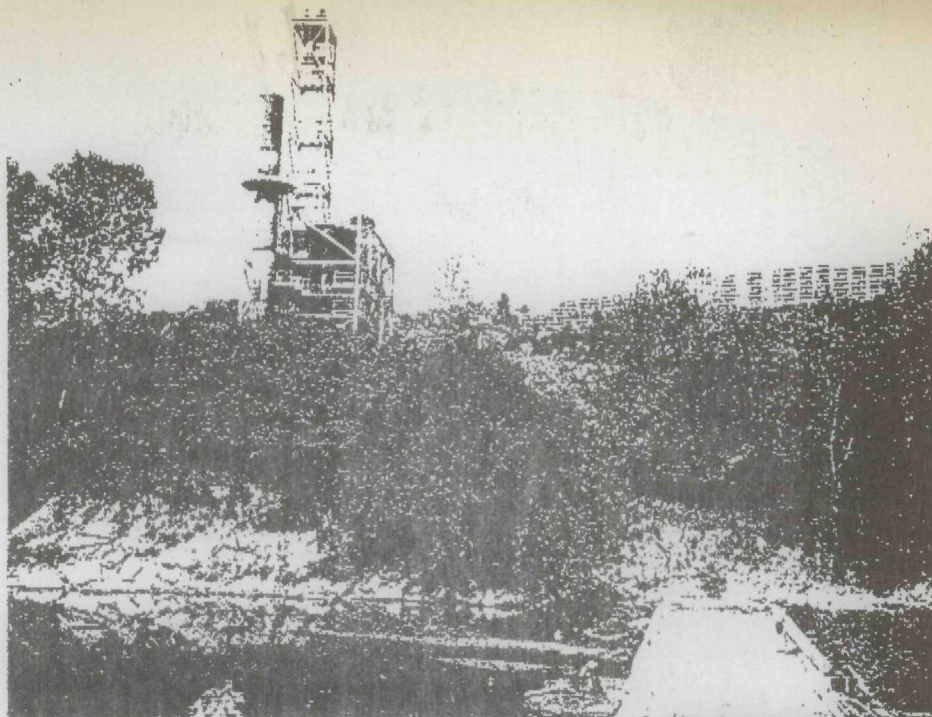
As previously stated, analyses for biological contamination in the surface water was not attempted for this assessment. However, the visual observations indicate biological pollution is persistent and severe.

Children have been seen playing in the creek on several occasions within Section 8 (Photograph 2 in Appendix E). Also, there is evidence of transients, apparently associated with the rail yard, having camp sites within Section 8. Although direct human contact with the contaminants found in Section 8 is infrequent, it does occur. 3*

3.5 AIR

Continuous air monitoring along the creek channel throughout Section 8 was conducted for health and safety reasons during the 1990 creek bottom sediment sampling program. The air monitoring was conducted utilizing a Photovac MicroTip photoionization detector calibrated with hexane. The photoionization detector measures the total concentration of all airborne organic compounds with an ionization potential less than the voltage of the detector lamp (10.5 electron volts for this investigation). Some of the compounds which may have been detected during the monitoring include hydrogen sulfide, hexane, ammonia, vinyl chloride, acetone, and phenol. Readings were taken in the breathing zone (approximately 5 feet above the creek). Ten parts per million (10 ppm) above the background level was the exposure limit established for personnel working without respiratory protection during the sediment sampling program. Normal readings ranged from zero to a normal maximum of 8 ppm. However, as noted previously, two separate releases of volatile chemicals apparently occurred upstream, causing readings of 165 ppm and 525 ppm. On these occasions, the sampling work was abandoned and the site vacated until the chemical release passed and the ambient air registered below 5 ppm on the PID.

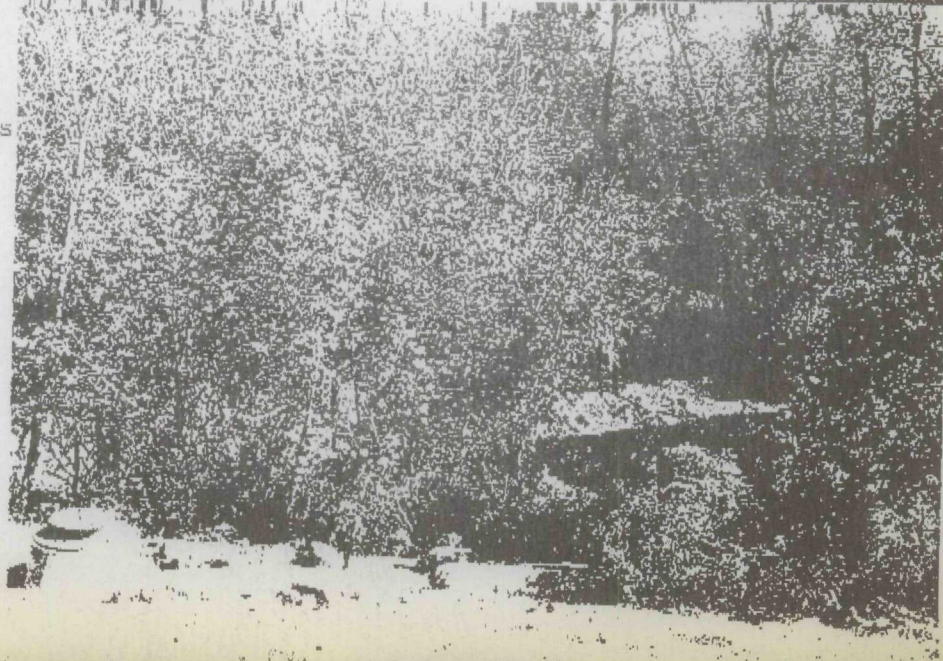
oid Incinerator
Station 1064
66



playing Creek
to MSD Plant
1065
68



green contaminations
1067
1987



SEP 10 1990



State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.
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Richard F. Celeste
Governor

September 7, 1990

Jeanne Griffin
Pre-Remedial Coordinator
USEPA, Region V; 7 TUB
230 South Dearborn
Chicago, Illinois 60604

Dear Ms. Griffin:

I want to recap our recent telephone conversations for our records and as a means of sharing this information with Ohio EPA staff.

USEPA will implement the 3745-27-13 provisions for sites so designated by DERR staff. This will be accomplished through your FIT contractors. Specifically, FIT, on USEPA's behalf, will notify the following entities: Property Owners, Local Board of Health (City or County), and Zoning Authorities (or County Commissioners).

Notifications to Property Owners will be sent Certified Mail, return receipt requested and will include acknowledgement forms and stamped return envelopes. They will also include language to the affect that "failure to respond will be deemed constructive acknowledgement." These notifications will be mailed at least 2 weeks prior to scheduled intrusive sampling and preferably 1 month in advance. We will coordinate implementation and formalize these procedures over the coming months.

Please advise me of any errors in the above representation.

Thank you.

MB/tdl

Mark Berel
cc: Kathy Davidson, Manager, TPSS, DERR
Jenny Tiell, Chief, DERR
Brian Babb, Legal
Cindy Hafner, Legal
Tina Jennings, PreRemedial Coordinator
Barbara Bonds, DSHWM
Dave Sholtis, DSHWM
DERR & DSHWM, District Section & Unit Managers